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Canon REFLEX ZOOM 8MM MOVIE CAMERA

... Most Remarkable New Concept in Movie Equipment!

About the new CANON ZOOM 8

The new Zoom 8 is another Canon first ! The first 8mm cine camera with the highest speed f:1.4 zoom lens. The first 8mm cine camera to combine the highest quality optical system with professional level body mechanism. The first 8mm cine camera with an amazing 10mm-40mm zooming range . . . you can zoom from wide-angle to telephoto continuously ! The deviation-free Canon zoom lens enables you to take clear-and-sharp pictures at any point between 10mm and 40mm . . . makes composition a breeze !

ZOOM 8

Distinguished Features of Canon Zoom 8

The new Canon Zoom 8 is extremely simple to operate that even a very beginner can take fine motion pictures if handled correctly. These are its special features:

(1) Canon-Exclusive Zooming System

The Zoom 8 has the fastest speed f:1.4 zoom lens with an amazing zooming ratio of 4:1. The powerful 4X magnification enables you to zoom from wide-angle to telephoto continuously. Once the subject is focused, the performance of world-famed Canon precision lens and the zooming system assure you of absolute sharpness during the entire zooming operation. It is also deviation-free which enables you to take clear-and-sharp pictures at any point between 10mm and 40mm, making composition a breeze! The clearest and smoothest zooming effect is obtained.

(2) Single-Lens Reflex System

The new Zoom 8 is superbly designed for the easiest and most carefree picture taking. The single-lens reflex system of the Zoom 8 assures you of the easiest viewing and most accurate focusing through the lens. You are free from parallax error. You will view with full brightness at all times; the aperture diaphragm will not get in the way. The split-image rangefinder gives critical focusing.

(3) Exposure Meter Coupled to the Lens Diaphragm

The new Zoom 8 has a built-in exposure meter with high sensitivity, which is coupled to the lens aperture. Designed especially for the Zoom 8, it assures you of the most accurate exposure reading for all filming speeds and diaphragm openings . . . under all photographic conditions.

(4) FILMING MECHANISM

7 operating speeds from 8 to 64 frames per second are available with this camera. A single frame exposure is, also, possible.

The EXPOSURE LEVER is equipped with a SAFETY LOCK as well as a RUNNING LOCK which enables continuous picture taking without having the exposure lever kept depressed. There is also a FOOTAGE COUNTER which shows the length of film exposed.

(5) CLOCKWORK MOTOR MOVEMENT

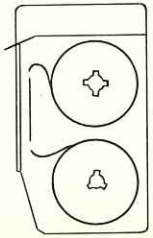
As in a watch, the spring movement has a ratchet wheel enabling you to wind without releasing your grip of the handle. Uniform speed is maintained throughout. A warning chime sounds approximately 3 sec. (50 frames or 7-1/2 inches in length), before the spring runs down.

(6) FOOTAGE-COUNTER

In addition to a FOOTAGE-COUNTER INDICATOR DIAL, a click signals as every 7-1/2 inches of film is exposed for accurate counting while the picture taking is in progress. The indicator automatically returns to "S" or starting position as the side cover is opened. If you want to keep the same footage shown on the indicator dial even after the side cover is opened, press the FOOTAGE COUNTER CONTROL BUTTON by the counting indicator when you open the side cover.

(7) EASY FILM LOADING

Loading the film is extremely simple.

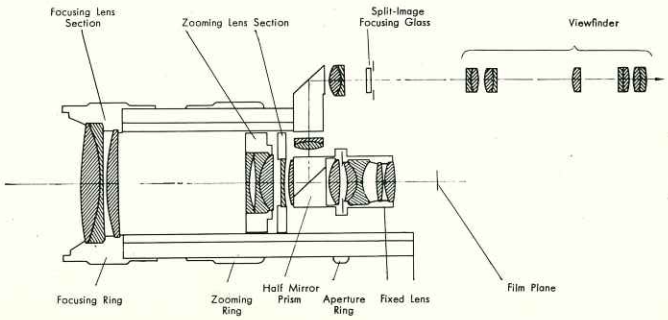


ZOOM 8

Canon-Exclusive, 10 mm-40 mm f: 1.4 Zoom Lens . . .

The Canon Zoom 8 has the Canon-exclusive, fastest speed f: 1.4 zoom lens with an amazing zooming ratio of 4 : 1. The powerful 4x magnification enables you to zoom from wide-angle to telephoto continuously. Once the subject is focused, the performance of world-famed Canon precision lens and the Canon-exclusive zooming system assure you of absolute sharpness during the entire zooming operation. The deviation-free Canon zoom lens enables you to take sharp pictures at any point between 10 mm and 40 mm . . . makes composition a breeze! The clearest and smoothest zooming effect is obtained!

The new Canon f: 1.4 zoom lens is the fastest in the world. It is more than twice as fast as the conventional 8 mm cine camera zoom lens. The versatility of the lens, in combination with the 7 variable filming speeds of the Canon Zoom 8, enables you to cope with any photographic situation. The f: 1.4 zoom lens consists of 13 elements for utmost precision performance. The viewfinder remains at full brightness even when the diaphragm is closed to the minimum (f: 22). Canon Zoom 8 has the focusing range from 1.5 meters (5 ft.) to infinity.



VIEWING, ZOOMING, AND FOCUSING

1. VIEWING . . .

View is seen through the viewfinder eyepiece on the back of the camera. As the viewing is done through the lens, you are absolutely free from parallax error. What you see through the eyepiece is what you will get on the film. You can view the scene at full brightness at all times. The field-of-view changes as you turn the zooming ring on the lens. At the maximum magnification, the focal length of the lens is 40mm; at minimum 10mm. You can compose your picture any way you like in the zooming range between 10mm and 40mm from the same position.

Table below is for your reference to the magnification changes. The Canon Zoom lens is designed so that at 20mm it is 1:1 actual life size.

Focal Length	10	13	15	20	25	30	35	40
Magnification	0.5	0.7	0.8	1	1.3	1.5	1.8	2

2. ZOOMING . . .

With your left hand fingers on the knurled zooming ring, rotate from one extreme to another for zooming. Deviation-free Canon zoom lens will assure you of constant focus throughout the entire zooming operation. Although the zooming gives your picture a powerful effect, do not use it often. Too much zooming will spoil your picture and make it extremely annoying to watch. A slight movement of the camera results in shaky picture, especially when zooming. Always zoom on a sturdy tripod.

3. FOCUSING...

When you view through the eyepiece, you will see a thin line running across the viewfinder . . . the image is split in halves when out of focus. This is called the split-image Range-Viewfinder. Focusing can be done as you rotate the knurled focusing ring on the lens barrel.

Focus in the following manner:

1. Rotate the zooming ring and bring it to the maximum focal length of 40mm (extreme close-up).

2. Focus the subject by rotating the focusing ring.

3. When the split-image on the range-viewfinder appears in perfect alignment, the lens is critically focused. Once the subject is focused, it will be maintained throughout the entire zooming operation or at any desired point you choose for composition between 10mm and 40mm.

If you have the distance to the subject, focusing can also be done by setting the distance reading to come opposite the index mark.

Exposure Meter of Canon Zoom 8 Coupled to the Lens Aperture . . .

The new Canon Zoom 8 has a built-in exposure meter with superb sensitivity, which is coupled to the lens aperture. It was designed especially for the Zoom 8. Assures you of the most accurate exposure reading for all filming speeds and diaphragm openings . . . under all photographic conditions.

The correct exposure time can be determined automatically by simply rotating and adjusting the aperture ring until the orange index mark points to the meter needle which represents the pre-determined film and filming speeds.

The sensitivity range of the Zoom 8 exposure meter is from LV 6 to 17 when ASA 100 film is used. The meter dial is calibrated in both ASA and DIN and has two index scales: one for the speed of the film in use (ASA 10—160, DIN 11–23) . . . the other for the filming speed (8—64).

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